Claims

[c1]	1. A storage media for data, said media comprising:
	a substrate;
	at least one plastic film; and
	at least one data layer disposed on said plastic film;
	wherein said data layer can be at least partly read from, written to, or a
	combination thereof by at least one energy field; and
	wherein said energy field comprises at least one of an electric field, a magneti
	field, and an optical field.

- [c2] 2.The storage media as in Claim 1, wherein said rigid substrate has a Young's modulus of at least about 7 GPa.
 - 3. The storage media as in Claim 2, wherein said Young's modulus is at least about 70 GPa.
 - 4. The storage media as in Claim 3, wherein said Young's modulus is at least about 200 GPa.
 - 5. The storage media as in Claim 1, wherein said substrate comprises at least one of metal, glass, ceramic, reinforced plastic, or combinations comprising at least one of the foregoing.
- [c6] 6.The storage media as in Claim 1, wherein said plastic film comprises embossed surface features.
- [c7] 7.The storage media as in Claim 1, wherein said plastic film comprises embossed surface features selected from the group consisting of pits, grooves, edge features, asperities, and combinations comprising at least one of the foregoing.
- [c8] 8.The storage media as in Claim 1, wherein said rigid substrate comprises a glass substrate.
 - 9. The storage media as in Claim 1, wherein the head slap characteristics of the storage media containing the at least one plastic film is substantially equivalent

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[c9]

a substrate having a top side and a bottom side;

at least one plastic film on each of said top side and said bottom side; and

to a second storage media not containing the at least one plastic film.

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ļab. n. at least one data layer disposed on at least one of said plastic film on each of said top side and said bottom side; and wherein said data layer can be at least partly read from, written to, or a combination thereof by at least one energy field; and wherein said energy field comprises at least one of an electric field, a magnetic field, and an optical field.

[c20] 20. A storage media for data, said media comprising:

field, and an optical field.

a substrate comprising an areal density greater than about 10 Gbits/in 2 and an axial displacement peak of less than about 500 μ under shock excitation; at least one plastic film comprising a surface roughness of less than about 10 Å and at least one data layer disposed on said plastic film; wherein said data layer can be at least partly read from, written to, or a combination thereof by at least one energy field; and wherein said energy field comprises at least one of an electric field, a magnetic